Applicant : Stephen K. Pinto et al.   Attorney's Docket No.: 17146-004001
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<u>Amendments to the claims</u> (this listing replaces all prior versions):

1.   (original) A machine-based method comprising

receiving historical multi-dimensional data representing multiple source variables to be used as an input to a predictive model of a commercial system,

applying transformations to the source variables that are selected to increase predictive power, and

applying transformations to the data that are selected based on the strength of measurement represented by a variable.

2.   (original) The method of claim 1 in which the strength of measurement comprises at least one of nominal, ordinal, and interval.

3.   (original) The method of claim 1 in which the strength of a measurement is represented in stored metadata associated with the data.

4.   (original) The method of claim 1 also including

displaying to a user a representation of a response function of a target variable against untransformed, transformed, and target variables associated with the data.

5.   (original) The method of claim 1 also including

persistently storing both the source variables and related transformed versions of the source variables.

6.   (currently amended) A machine-based method comprising

receiving historical multi-dimensional data representing multiple source variables <u>having different strengths of measurement</u> to be used as an input to a predictive model of a commercial system,

adjusting unstable values of the variables to reduce inaccurate associations between predictor variables and target variables.

7.   (original) The method of claim 6 in which the adjustment of the unstable values comprises Bayesian renormalization.

8.   (currently amended) A machine-based method comprising

in connection with a project in which a user generates a predictive model based on historical data about a system being modeled, automatically imputing missing values for ~~continuous~~ variables associated with the data, the variables having different strengths of measurement.

9.   (original) The method of claim 8 in which the user is enabled to invoke the automatic imputing as part of a user interface feature that displays information about variables for which values are missing.

10.   (currently amended) The method of claim 9 in which the automatic imputing is invoked based on ~~the~~ a variable or type of variable.

11.   (original) The method of claim 9 in which the variables for which missing values are imputed may be used in the model or may be transformed for use in the model.